

Claims

1.

A microwave oven comprising:
5 a cavity in which food is cooked; and
a base cover having:
a cover body installed under the cavity and contacting
a mounting surface,
a stepped portion bent upward from an end of the cover
10 body for supporting the cavity,
at least one air intake hole defined in the stepped
portion for sucking an outside air, and
a reinforcement rib protruded forwardly and/or
backwardly from a periphery of the air intake hole.

15 2.

The microwave oven according to claim 1, wherein the
stepped portion is bent upwardly from a front end of the
cover body with a predetermined height.

20 3.

The microwave oven according to claim 1, wherein the
stepped portion is bent upwardly from a side end of the cover
body with a predetermined height.

25 4.

The microwave oven according to claim 1, wherein the
air intake hole includes a cavity intake hole defined under
the cavity and a panel intake hole defined beside the cavity
30 intake hole.

35 5.

The microwave oven according to claim 4, wherein the
size of the cavity intake hole is larger than or at least
equal to that of the panel intake hole.

40 6.

The microwave oven according to claim 1, wherein the
reinforcement rib is formed at an upper periphery and a side
periphery of the air intake hole.

45 7.

The microwave oven according to claim 1, wherein the
reinforcement rib has a "U"-shaped section.

50 8.

The microwave oven according to claim 1, wherein the
reinforcement rib is formed by cutting and bending a part of
the stepped portion, such that the reinforcement rib is
protruded forwardly or backwardly from the periphery of the
air intake hole.

9.

The microwave oven according to claim 1, wherein the reinforcement rib is integrally formed with the stepped portion.

- 5 10.
A microwave oven comprising:
a cavity for accommodating food for cooking;
a control panel for inputting a cooking condition;
10 a cover body installed under the cavity;
a front stepped portion bent upward from a font end of
the cover body;
an air intake hole having at least one cavity intake
hole defined in the front stepped portion to allow an air
inflow under the cavity and at least one panel intake hole to
15 allow an air inflow under the control panel; and
a reinforcement member formed at a periphery of the air
intake hole.
- 20 11.
The microwave oven according to claim 10, wherein the
reinforcement member is a reinforcement rib protruded
forwardly or backwardly from the periphery of the air intake
hole.
- 25 12.
The microwave oven according to claim 10, wherein the
size of the panel intake hole is smaller than that of the
cavity intake hole in order to prevent an insertion of user's
body part.
- 30 13.
The microwave oven according to claim 10, wherein the
reinforcement member is formed by cutting and bending a part
of the front stepped portion.
- 35 14.
The microwave oven according to claim 10, further
comprising an extended portion bent from a top end of the
40 front stepped portion at a predetermined angle, the extended
portion being mounted under the cavity.
- 45 15.
The microwave oven according to claim 10, wherein the
reinforcement member is integrally formed along a top
periphery and a side periphery of the air intake hole.
- 50 16.
A base cover structure of a microwave oven, comprising:
a cover body installed under a cavity, the cover body
being spaced a predetermined distance apart from a bottom of
the cavity;
a stepped portion bent from an end of the base cover;

at least one air intake hole defined in the stepped portion to allow an air inflow;

5 a reinforcement rib formed by cutting and bending a part of the stepped portion to enhance the strength of the stepped portion and to prevent the air intake hole from deformation.

17.

10 The base cover structure according to claim 16, wherein the reinforcement rib is protruded forwardly from a periphery of the intake hole.

18.

15 The base cover structure according to claim 16, wherein the reinforcement rib is protruded backwardly from a periphery of the intake hole.

19.

20 The base cover structure according to claim 16, wherein the stepped portion is a front stepped portion formed at a front of the cover body.

20.

25 A microwave oven comprising:

a cavity; and

a base cover having:

a stepped portion bent upwardly from a bottom of the cover body for supporting the cavity,

30 a cavity intake hole defined in the stepped portion that is disposed under the cavity,

a panel intake hole defined beside the cavity intake hole with a size smaller than the cavity intake hole, and

35 a reinforcement member protruded from a periphery of the cavity intake hole and/or from a periphery of the panel intake hole.